



Air Compressor & Systems Q&As

1. What code applies to air systems?

Answer: Wisconsin has adopted no specific code unique to air systems, but encourages the use of ASME B31.1 Power Piping Code in this application.

It is the owner's responsibility to assure safe operation for public buildings and places of employment. The piping should be designed to a specific pressure and the system must be protected at the weakest Maximum Allowable Working Pressure. For example, if the air receiver is designed for a MAWP of 5000 psi, then no component contained in a system can have a MAWP greater than 5000 psi.

2. Are annual inspections required for compressed air tanks?

Answer: Air tanks in commercial applications (must be ASME stamped per SPS 341.42) are registered and inspected every three years per SPS 341.17(2). There are exemptions from periodic inspection for smaller tanks in SPS 341.18(1), for examplef, g, h or L (Measure the air tank diameter and length and see the cylinder volume table sheet.)

[Cylindrical Tank Conversion Tables](#)

3. Why does the Wisconsin Boiler and Pressure Vessel Code, SPS 341, regulate air compressors?

Answer: [Article](#) by Industry Services